

## AMENDMENTS TO THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double-bracketed text indicating deletions.

### LISTING OF CLAIMS

1. **(currently amended)** A method for generating an adult oviparous teleost ornamental fish, comprising: ~~steps of~~
  - (a) generating a transgenic fish, wherein:
    - the genome of the transgenic fish comprises:
      - one or more transgenes at least one of which encodes a
      - fluorescent protein, and
      - a promoter which is operably linked to the transgene encoding
      - the fluorescent protein, and
      - the transgenic fish expresses the fluorescent protein encoded by the
    - transgene containing one or more fused fluorescent gene;
  - (b) breeding the transgenic fish with a fish with different phenotype or pattern; and
  - (c) screening ~~[[the]]~~ for new transgenic ~~progenies showing~~ progeny exhibiting different phenotype or pattern from either parent fish ~~their parents~~.
2. **(currently amended)** The method as set forth in claim 1, wherein the transgenic fish and the fish with different phenotype or pattern are the same ~~or different~~ family, genus, or species.
3. **(currently amended)** The method as set forth in claim ~~[[2]]~~ 1, wherein the transgenic fish and the fish with different phenotype or pattern are different family, genus, or species.
4. **(currently amended)** The method as set forth in claim ~~[[3]]~~ 1, wherein the transgenic fish and the fish with different phenotype~~[[s]]~~ or pattern~~[[s]]~~ are different species.

5. **(currently amended)** The method as set forth in claim **[[4]] 1**, wherein the fluorescent **protein [[gene]]** is selected from the group consisting of green fluorescent protein (GFP), modified green fluorescent protein, enhanced green fluorescent protein (EGFP), red fluorescent protein (RFP), enhanced red fluorescent protein (ERFP), blue fluorescent protein (BFP), enhanced blue fluorescent protein (EBFP), yellow fluorescent protein (YFP), enhanced yellow fluorescent protein (EYFP), cyan fluorescent protein (CFP), and enhanced cyan fluorescent protein (ECFP).

6. **(currently amended)** The method as set forth in claim **[[5]] 1**, wherein the fluorescent **protein [[gene]]** is selected from the group consisting of green fluorescent protein (GFP), modified green fluorescent protein, enhanced green fluorescent protein (EGFP), red fluorescent protein (RFP), enhanced red fluorescent protein (ERFP), blue fluorescent protein (BFP), and enhanced blue fluorescent protein (EBFP).

7. **(currently amended)** The method as set forth in claim **[[6]] 1**, wherein the fluorescent **protein [[gene]]** is selected from the group consisting of green fluorescent protein (GFP), modified green fluorescent protein, enhanced green fluorescent protein (EGFP), red fluorescent protein (RFP), and enhanced red fluorescent protein (ERFP).

8. **(currently amended)** The method as set forth in claim 1, wherein the phenotype of the fish **with different phenotype or pattern** is selected from the group consisting of colors, body shapes, body sizes, body **transparency ~~transparent levels~~**, grain colors, stripe colors, fin shapes, fin sizes, tail shape, tail sizes, eye color, eye shapes, **[[;]]** and any observable phenotypic differences from those of **the transgenic fish fluoresceent mate**.

9. **(currently amended)** The method as set forth in claim **[[8]] 1**, wherein the phenotype of the fish **with different phenotype or pattern** is selected from the group consisting of colors, body shapes, body **transparency ~~transparent levels~~**, grain colors, and stripe colors.

10. **(currently amended)** The method as set forth in claim 1, wherein the pattern of the fish **with different phenotype or pattern** is selected from the group consisting of grain patterns, stripe patterns, and swimming patterns.

11. **(currently amended)** The method as set forth in claim 4, wherein the **transgenic** fish **[[is]] and the fish with different phenotype or pattern are independently** selected from the group consisting of Cichlidae, Fighting fish, Catfish, Characidae, Cyprinidae, and Killifish.

12. **(currently amended)** The method as set forth in claim 11, wherein the Cichlidae is **selected from the group consisting of** *Pseudotropheus*, *Cichlasoma*, *Apistogramma*, *Pterophyllum*, **and [[or]]** *Symohysodon*.

13. **(currently amended)** The method as set forth in claim 11, wherein the Fighting fish is **selected from the group consisting of** *Betta* **and [[or]]** *Macropodus*.

14. **(currently amended)** The method as set forth in claim 11, wherein the Catfish is **selected from the group consisting of** *Corydoras*, *Ancistrus*, **and [[or]]** *Pterygoplichthys*.

15. **(currently amended)** The method as set forth in claim 11, wherein the Characidae is **selected from the group consisting of** *Tetras*, **and [[or]]** *Carnegiella* **[[or]]**.

16. **(currently amended)** The method as set forth in claim 11, wherein the Cyprinidae is **selected from the group consisting of** *Cyprinus*, *Brachydanio* (~~*zebrafish*~~), *Danio*, **and [[or]]** *Carassius*.

17. **(currently amended)** The method as set forth in claim 11, wherein the Killifish is **selected from the group consisting of** *Medaka*, *Rivulines*, **and [[or]]** *Livebearing Toothcarps*.

18. **(currently amended)** The method as set forth in claim 16, wherein the ~~*zebrafish*~~ **Cyprinidae** is selected from the group consisting of *D. acrostomus*, *D. aequipinnatus*, *D. malabaricus*, *D. albolineatus*, *D. annandalei*, *D. apogon*, *D. apopyris*, *D. assamensis*, *D. choprae*, *D. chrysotaeniatus*, *D. dangila*, *D. devario*, *D. fangfangae*, *D. frankei*, *D. fraseri*, *D. gibber*, *D. interruptus*, *D. kakhienensis*, *D. kyathit*, *D. laoensis*, *D. leptos*, *D. maetaengensis*, *D. malabaricus*, *D. naganensis*, *D. neilgherriensis*, *D. nigrofasciatus*, *D. pathirana*, *D. regina*, *D.*

*rerio*, *D. roseus*, *D. salmonata*, *D. shanensis*, *D. spinosus*, *Brachydanio frankei*, and *Brachydanio sp.*

19. **(currently amended)** The method as set forth in claim 17, wherein the medaka is selected from the group consisting of *Oryzias javanicus*, *Oryzias latipes*, *Oryzias nigrimas*, *Oryzias luzonensis*, *Oryzias profundicola*, *Oryzias matanensis*, *Oryzias mekongensis*, *Oryzias minutillus*, *Oryzias melastigma*, *O. curvinotus*, *O. celebensis*, ~~[[.]]~~ *X. oophorus*, and *X. saracinorum*.

20. **(currently amended)** The method as set forth in claim 1, wherein the new transgenic ~~progeny~~ **progenies** is selected from the group consisting of *Cichlasoma*, TK1 red × *O. curvinotus*, TK1 green × *O. curvinotus*, TK2 red × *Brachydanio frankei*, TK2 red × *Brachydanio sp.*, TK2 green × *Brachydanio frankei*, TK2 green × *Brachydanio sp.*, and Purple Zebra Fish. ~~[[.]]~~

21. **(currently amended)** The method as set forth in claim ~~[[20]]~~ **1**, wherein the new transgenic ~~progeny~~ **progenies** is selected from the group consisting of TK1 red × *O. curvinotus*, TK1 green × *O. curvinotus*, TK2 red × *Brachydanio frankei*, TK2 red × *Brachydanio sp.*, and Purple Zebra Fish.

22. **(currently amended)** The method as set forth in claim ~~[[21]]~~ **1**, wherein the new transgenic ~~progeny~~ **progenies** is selected from the group consisting of TK2 red × *Brachydanio frankei* and ~~[[or]]~~ TK2 red × *Brachydanio sp.*

23. **(currently amended)** The ornamental fish which is prepared according to the method of Claim 1.

24. **(currently amended)** The fish as set forth in claim 23, wherein the fish ~~which~~ is selected from the group consisting of TK1 red × *O. curvinotus*, TK1 green × *O. curvinotus*, TK2 red × *Brachydanio frankei*, TK2 red × *Brachydanio sp.*, and ~~[[or]]~~ Purple Zebra Fish.